

## **Using alternative energy to reduce greenhouse gas production in the transportation sector**

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Department of Transportation

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### **Description:**

The surface transportation sector is one of the largest contributors to the production of greenhouse gases. The USDOT's Zero Emission Transportation Initiative is looking to push the transportation sector greenhouse gas production to zero by 2050.

Alternative energy sources used to power vehicles have the potential to significantly reduce vehicular production of greenhouse gases. Research into the use of alternative energy could look into innovative or more efficient ways of creating, storing or using alternative energy for light vehicles, motorcycles and bicycles.

### **Expected Phase I Outcomes:**

A technical brief or report describing a proposed prototype that will result in a new or more

efficient way to create, store or use alternative energy in light vehicles, motorcycles and bicycles.

**Expected Phase II Outcomes:**

Prototypes that create, store or use alternative energy more efficiently in light vehicles, motorcycles and bicycles.